BRUHATH BANGALORE MAHANAGARA PALIKE, Electrical Division

Name of the Work : Modified and change of Work for Construction of Electrical timer cables and power saving arrangements with all accessories in Ward No 3

SL. No	Description	Unit	As per modified		
			Qty	Rate	Amt
	Part- A (Items in the Original Estimate)				
1	Supplying High pressure sodium vapour street light fitting die cast aluminium canopy with aluminium housing for control gear, finished stove enamel gray glassy white canopy interior with a pair of anodized aluminium reflectors with toughened flat glass, gasket lining for drip insect resistance duly wired with porcelain holder copper choke, igniter and HPF condenser including a sodium vapour lamp. II 250 Wattsa) Group 'A' **As per Sanctioned Estimate Qty=100 Nos** **Already Executed Qty =50 Nos** **Balance Qty which is not required for further Execution= 50Nos** **PWD Elect SR 2010-11 Page No- 19 Item No-12**	Each	50	6150.00	307500.00
2	Supplying & fixing mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 or rail or RCC pole/wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires complete. b) Using 32mm dia G.I pipe *As per Sanctioned Estimate Qty=100 Nos* *Already Executed Qty =50 Nos* *Balance Qty which is not required for further Execution= 50Nos* *PWD Elect SR 2010-11 Page No- 28 Item No-1*	Each	50	685.00	34250.00
3	Supply and fixing of ..... cross arm including all Hardwares compete as per the standard technical specification. b) 2 Pin 45x45x5mm-510mm *As per Sanctioned Estimate Qty=80 Nos* *Already Executed Qty =4 Nos* *Balance Qty which is not required for further Execution= 76Nos* *PWD Elect SR 2010-11 Page No-78 Item No-32*	Each	4	123.00	492.00
4	Supplying and Fixing..... including all Hardwares etc complete as per the Standard technical Specification. a) 1.1 KV Pin insulator *As per Sanctioned Estimate Qty=120 Nos* *Already Executed Qty =8 Nos* *Balance Qty which is not required for further Execution= 112Nos* *PWD Elect SR 2010-11 Page No- 79 Item No-37*	per mtr	8	70.00	560.00

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o	Description	Unit	As per modified		
			Qty	Rate	Amt
	No.8 Strain Insulator *As per Sanctioned Estimate Qty=27 Nos* *Already Executed Qty =2 Nos* *Balance Qty which is not required for further Execution= 25Nos* *PWD Elect SR 2010-11 Page No- 79 Item No-37*	per Mts	2	24.00	48.00
5	(Supplying and stringing of ACSR Conductor (6/2.59mm Al+1/2.59mm steel) *As per Sanctioned Estimate Qty=2000 mtrs* *Already Executed Qty =150mtrs* *Balance Qty which is not required for further Execution= 1850 mtrs* *PWD Elect SR 2010-11 Page No- 79 Item No-39*	Mtr	150	19.80	2970.00
6	Supplying and fixing ..... including all Hardwares etc complete as per the standard technical specification e) RCC Clamp *As per Sanctioned Estimate Qty=80 Nos* *Already Executed Qty =4 Nos* *Balance Qty which is not required for further Execution= 76Nos* *PWD Elect SR 2010-11 Page No- 79 Item No-36*	Each	4	61.00	244.00
7	Fabricating supplying and mounting MS box made out... SWG suitable for floor/wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer pain and finally finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete b) 16 SWG *As per Sanctioned Estimate Qty=237500 sqcm* *Already Executed Qty =84000 sqcm* *Balance Qty which is not required for further Execution= 153500 sqcm* *PWD Elect SR 2010-11 Page No- 41 Item No-38*	sqcm	84000	0.33	27720.00
8	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers etc., complete d) 100 Amps *As per Sanctioned Estimate Qty=25 Nos* *Already Executed Qty =18 nos* *Balance Qty which is not required for further Execution= 7 nos* *PWD Elect SR 2010-11 Page No- 32 Item No-3*	Each	18	415.00	7470.00

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o	Description	Unit	As per modified		
			Qty	Rate	Amt
9	Supplying and fixing electro mechanical timer (without contactor) using necessary bolts, nuts and washers etc., Group 'A' PWD SR 2007-08 *As per Sanctioned Estimate Qty=25 nos* *Already Executed Qty =6 nos* *Balance Qty which is not required for further Execution= 19 nos* *PWD Elect SR 2007-08 Page No- 32 Item No-9*	Each	6	4200.00	25200.00
10	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and Complete wiring as required. a) 5-32 Amps SP 1) Group 'A'. *As per Sanctioned Estimate Qty=25 nos* *Already Executed Qty =6nos* *Balance Qty which is not required for further Execution= 19 nos* *PWD Elect SR 2010-11 Page No- 36 Item No-12*	Each	6	195.00	1170.00
11	Supply and fixing of 4 pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947. d) 100-125 Amps *As per Sanctioned Estimate Qty=25 nos* *Already Executed Qty =18nos* *Balance Qty which is not required for further Execution= 6 nos* *PWD Elect SR 2010-11 Page No- 34 Item No-8*	Each	18	7450.00	134100.00
12	Supplying and fixing angle iron frame work fabricated out of M.S angle iron... and M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. . (32.9a) a) 40x40x6mm *As per Sanctioned Estimate Qty=100 mtrs* *Already Executed Qty =60 mtrs* *Balance Qty which is not required for further Execution= 40 mtrs* *PWD Elect SR 2010-11 Page No- 41 Item No-37*	Rmtr	60	240.00	14400.00
13	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanized, steel wire/steel tap armoured cable with PVC outer sheathing 1.1KV ClassI. Class 'A' PVC Cable d) 4 core 16sqmm *As per Sanctioned Estimate Qty=215 mtrs* *Already Executed Qty =215 mtrs* *Balance Qty for further Execution= 0 mtrs* *PWD Elect SR 2010-11 Page No- 68 Item No-4*	per mtr	215	150.00	32250.00

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o	Description	Unit	As per modified		
			Qty	Rate	Amt
14	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stoneware pipe/ on wall/ on pole as required.II. On wall /Structure a) 6 sqmm to 16sqmm *As per Sanctioned Estimate Qty=215 mtrs* *Already Executed Qty =215 mtrs* *Balance Qty for further Execution= 0 mtrs* *PWD Elect SR 2010-11 Page No- 69 Item No-5*	Rmtr	215	18.00	3870.00
15	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes f) 16 sqmm *As per Sanctioned Estimate Qty=200 nos* *Already Executed Qty =72 nos* *Balance Qty which is not required for further Execution= 128 nos* *PWD Elect SR 2010-11 Page No- 73 Item No-20*	Each	72	14.00	1008.00
16	Supplying and fixing Moulded Case Circuit Breaker (MCCB) Over the existing wood/panel board using necessary screws, bolts, nuts and wiring thermal Magnetic Microprocessed release and Earth Fault as per IS-13947. (Icu=Ics) THREE POLE *As per Sanctioned Estimate Qty - 23nos* *Already Executed Qty - 12 nos* *Balance Qty which is not required for further Execution - 13 nos* *PWD Elect SR 2010-11 Page No 34 Item No-9*	Each	12	3460.00	41520.00
17	Supplying.....amps rated 3 phase with neutral bus bar using requirement capacity electrolytic aluminium strips covered with heat shrinkable coloured PVC sleeve, mounted on phenolic/FRP/DMC insulator which are mounted on powder coated 40x6 mm M.S.flat frame work in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification with necessary bolts, nuts and washers etc., complete.a) 100Amps 4x30x6mm Alluminium Strips *As per Sanctioned Estimate Qty=6mtrs* *Already Executed Qty =6 mtrs* *Balance Qty which is for further Execution=0 mtrs* *PWD Elect SR 2010-11 Page No- 73 Item No-20*	Rmtr	6	1600.00	9600.00
18	Supply and erection of .....mtr RCC pole including earth work etc., complete as per the standard technical specification. b) 9 Mtr 145Kg WL *As per Sanctioned Estimate Qty=6 nos* *Already Executed Qty =0 nos* *Balance Qty which is for further Execution=0 nos* *PWD Elect SR 2010-11 Page No- 781tem No-29*	Each	0	6583.00	0.00

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o	Description	Unit	As per modified		
			Qty	Rate	Amt
19	Supplying 70/125 Watts MH integral post top lantern Metal halide fitting suitable for pole mounted with fully vermin, weather proof, elegant in shpae, appearance, UV stabilized clear acrylic diffusers, camouflaged horizontal lamp, IP 54 protection, Electrical safety class 1, The fitting shall have ferromagnetic copper choke with capacitor, igniter and fully wired to operate on 230 V 50Hz AC supply with 70 /125 Watts MH Lamp..a) Group `A` *As per Sanctioned Estimate Qty=40nos* *Already Executed Qty =0 nos* *Balance Qty which is for further Execution=0 nos* *PWD Elect SR 2010-11 Page No- 18 Item No-9*	Each	0	5230.00	0.00
20	LT 3 phase 5 wire Aerial Bunched Cable of size 3X25+1X16+1X25+1X35 sqmm (Standard Stock materials 2010-11) **As per Sanctioned Estimate Qty=2500 mtrs+** *Additional QtyProposed=8000 mtrs= Total 10500 mtrs* *Bescom SR 2010-11 Item No-258*	P/Mt	10500	81.45	855225.00
	LT 1 phase 3 wire Aerial Bunched Cable of size 1X25+1X16+1X25 sqmm **As per Sanctioned Estimate Qty=2000 mtrs** **Already Executed Qty =0 mtrs** **Balance Qty which is for further Execution=0mtrs** **Bescom SR 2010-11 Item No-258**	P/Mt	0	40.10	0.00
21	Striniging of 1.1 KV grade aerial bunched 3 core cable of XLPE insulation standard aluminium conductor standard around a weather resistant black XLPE insulated AAA messanger wire (3X 25 Sq mm + 1X 16 sqmm + 1X 25Sqmm + 1X 35 sqmm) **As per Sanctioned Estimate Qty=4500 mtrs+** **Additional QtyProposed=6000 mtrs= Total 10500 mtrs** **Bescom SR 2010-11 Item No-26.5**	P/Mt	10500	8.96	94090.50
22	Piercing connector suitable 16 Sqmm - 95 Sqmm AB cable service connections (Standard Stock materials 2010-11) **As per Sanctioned Estimate Qty=150 nos +** **Additional QtyProposed=500 nos= Total 650 nos** **Bescom SR 2010-11 Page no-9 Item No-281**	Nos	650	210.00	136500.00
23	Dead End Clamp/ Anchor clamps assembly 25 to 95 sqmm bear messanger (Standard Stock materials 2010-11) **As per Sanctioned Estimate Qty=10 nos +** **Additional QtyProposed=10 nos= Total 20 nos** **Bescom SR 2010-11 Page no-9 Item No-286**	Nos	20	140.00	2800.00
24	suspension clamp assemblly 25 to 95 sqmm bear messanger (Standard Stock materials 2010-11) **As per Sanctioned Estimate Qty=70 nos +** **Additional QtyProposed=255 nos= Total 325 nos** **Bescom SR 2010-11 Page no-9 Item No-287**	Nos	325	280.00	91000.00

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o	Description	Unit	As per modified		
			Qty	Rate	Amt
25	Errection of suspension clamp 25 to 95 sqmm bear messanger (Labour charges) **As per Sanctioned Estimate Qty=70 nos +** **Additional QtyProposed=255 nos= Total 325 nos** **Bescom SR 2010-11 Page no-13 Item No-255**	Nos	325	85.00	27625.00
26	Errection of Anchor clamp 25 to 95 sqmm bear messanger (Labour charges 2010-11) **As per Sanctioned Estimate Qty=10 nos +** **Additional QtyProposed=10nos= Total 20 nos** **Bescom SR 2010-11 Page no-13 Item No-256**	Nos	20	85.00	1700.00
27	Istallation of insulation piercing connector for main to street light Main: 16 -95 sqmm,Tap: 1.5-10 sqmm (EP 95) *As per Sanctioned Estimate Qty=150 nos +* *Additional QtyProposed=500 nos= Total 650 nos* *Bescom SR 2010-11 Page no-13 Item No-261*	Nos	650	40.00	26000.00
28	Digging of pits 1.5 mtr depth for errection of of 7.5/8 mtr Long steel/RCC/PSC/PCC supports Hard soil *As per Sanctioned Estimate Qty=40 pits* *Already Executed Qty =0 pits* *Balance Qty which is for further Execution=0 pits*	Per pit	0	529.00	0.00
29	Concrete Works Providing cement concrete to poles and guysets with material and labour including necessary curing etc., comlpete (cost does not include excavation) c) Providing coping for pole with CC1:2:4 (as per actuals) *As per Sanctioned Estimate Qty=40 nos* *Already Executed Qty =0 nos* *Balance Qty which is for further Execution=0 nos*	Each	0	200.00	0.00
30	Errection of Poles : Releasing and Re-Errection of Steel supports 9.0 to 10.00 mtr long such as 22.68 kg (50 lbs) Rail, I beam of sizes 200 X 100 mm, 175X 90 mm , 125 X 100 mm, Fabricated poles, tubular poles in pits of 1.8 mtr Depth, aligning, refilling with soil For Errection =Rs 154.00 releasing of materials shall be 90 % of the cost of ereection as per bescom circular BES/GM/(T)/BC-20/F-664/05-06/CYS 174 Dt:10.01.06. Therefore Releasing and Re-Errection = Rs 154.00+ 0.9X154.00=292.60 **As per Sanctioned Estimate Qty=40 nos** **Already Executed Qty =0 nos** **Balance Qty which is for further Execution=0 nos**	Nos	0	292.60	0.00

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o	Description	Unit	As per modified		
			Qty	Rate	Amt
31	Street Light and other Works Releasing and Fixing of mercury Vapour lamp fitting /Ornamental light fitting with Control Boxes etc. For Fixing =Rs 224.00 releasing of materials shall be 90 % of the cost of ereection as per bescom circular BES/GM/(T)/BC-20/F-664/05-06/CYS 174 Dt:10.01.06. Therefore Releasing and Fixing = Rs 224.00+ 0.9X224.00=292.60 **As per Sanctioned Estimate Qty=40 sets** **Already Executed Qty =0 sets** **Balance Qty which is for further Execution=0 sets**	Set	0	425.60	0.00
32	Hire Charges Components for Tractor 50 HP ,Sl no 20, Page No XXXIV, KPWD SR CIVIL 2010-11. Per Day Rs 2240.00 **As per Sanctioned Estimate Qty=5 days** **Already Executed Qty =0 days** **Balance Qty which is for further Execution=0 days**	Day	0	2240.00	0.00
	EIRL				
33	Universal Hook & Bolts and Nuts(Standard Stock materials 2010-11) Bescom SR 2010-11 Page no-9 Item No-285	Nos	325	280.00	91000.00
34	Fixing of Universal hook (Labour charges 2010-11) Bescom SR 2010-11 Page no-13 Item No-259	Nos	325	85.00	27625.00
	Total				**1997937.50**

CERTIFICATE :-

1. The place was inspected and the work is essential.
2. The provision made in the estimate are adequate and necessary and the work comes in the BBMP limit and is legitimate Charges on the BBMP funds.
3. The estimate is based on KPWD (Ele) and Bescom S.R.2010-11 Rates.

Jr. Engineer (Elecl) /Asst Eng

Asst Executive Engineer (Elecl)
Byt Sub Div, Yelahanka Zone

EXECUTIVE ENGINEER (ELECL)
Yelahanaka Zone, BBMP

"Modified Estimate Approved"

Chief Engineer
Yelahanka Zone
BBMP,Bangalore-92

Chief Engineer
Yelahanka Zone
Bruhath Bangalore Mahanagara Palike
Bangalore 92

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